

**Amendments to the Claims**

*The listing of claims will replace all prior versions, and listings, of claims in the application.*

**Listing of Claims:**

1. (Currently Amended) A process for the production of wheat flour or semolina starting from respective untreated caryopses ~~as such~~, that includes the steps of

a) wetting said caryopses with such a quantity of water as to bring their moisture content to at least 15%, by subjecting them to intense vibration;

b) subjecting the wet caryopses to a conditioning step[[;]],

wherein said conditioning step has a duration of 4-6 hours;

c) subjecting the conditioned caryopses to decortication operations, consisting essentially of abrasion, to remove the bran;

d) grinding the conditioned and decorticated caryopses.

2. (Original) A process according to claim 1, in which the said wetting step is carried out while subjecting said caryopses to vibrations of a frequency between 50 and 300 Hz.

3. (Currently Amended) A process according to claim 2, in which said vibrations are generated by means of mechanical, electrical or magnetic energy or ~~else~~ by ultrasound.

4. (Canceled).

5. (Currently Amended) A process according to any one of the preceding claims, in which said untreated caryopses ~~as such~~ are caryopses of durum wheat.